

## **Additional summary-level detail for 2014 Strat Plan update presentation slides #5-7**

### **NATURAL SYSTEMS**

#### *Sheriff/DPW Composting Pilot*

Pitchess Detention Center (PDC) green waste and food waste will be composted and used as a soil amendment for the PDC farm. This will reduce waste going to landfills and the attendant transportation costs and dump fees. Compost production will provide soil amendments for Department farm operations.

#### *Farm Restoration at Pitchess Detention Center*

The Department is reviving farm operations at PDC, offsetting significant inmate food costs, providing vocational and educational opportunities for jail inmates, lowering its carbon footprint and ensuring a food supply for inmates in the event of supply chain disruption.

Ongoing farm-related sustainability pilot programs at the PDC campus include; bees and honey production, vermiculture, small scale protein production (tilapia and chickens), greenhouse plant propagation and community gardens. Other planned programs will minimize water use and preserve the aquifer beneath PDC, eliminate the need for inorganic soil amendments, pesticides and herbicides, restore the health of the soil and watershed, enhance Education Based Incarceration programs, and ensure an optimal and sustainable source of inmate food with significant cost savings to the County.

#### *County-wide Recycled Water Conversion Projects*

Public Works has implemented various projects to recycle wastewater and either use it to recharge groundwater supplies, or to distribute for landscape and industrial uses through an expanding delivery infrastructure. ISD, Parks and Sheriff have also contributed to this program.

#### *Library Book Recycling*

The County of Los Angeles Public Library recycles 26,000 lbs. of books and paper yearly. By collecting books which have reached the end of their usefulness and diverting them from landfills, the Public Library takes a further step toward being a responsible steward of the environment.

### *DPW Hazardous Waste Round-Up*

Public Works provides an extensive hazardous waste collection program for County residents that includes periodic localized events throughout the County and two permanent collection sites in Palmdale and Signal Hill. This program keeps tons of materials out of our landfills that are toxic, poisonous, corrosive, flammable or combustible.

### *Other “Clean LA” Programs*

Public Works’ Environmental Programs Division maintains the “Clean LA” website to provide information about a multitude of environmental programs and services available to residents, business and other government agencies.

## **PLANNING AND DESIGN**

### *DPH Healthy Design Proposal*

In 2009, the Board of Supervisors instructed DPH, DRP, DPW and other departments [as needed] to develop design standards for building pedestrian-, transit-, and bicycle-friendly developments, promote walking and other outdoor physical activities, which will ultimately be incorporated into the County’s Public Works design standards, and the DRP Healthy Design Ordinance. This effort is ongoing in the form of the Healthy Design Workgroup.

### *DPW Sustainability Infrastructure Rating System*

In 2011, in order to establish a common platform to define sustainable infrastructure, DPW adopted EnVIslon™, the Institute for Sustainable Infrastructure (ISI) sustainability rating system. EnVIslon™ certification applies to civil infrastructure of all types and provides rating of the project’s economic, social, and environmental impact during design, planning, construction, and maintenance phases.

### *DPR Sustainable Park Design*

The Department has developed Park Design Guidelines to provide guidance toward design and construction of sustainable park facilities. These guidelines have already been used to provide numerous sustainability improvements at Willowbrook Park, Crescenta Valley Dog Park, Peck Park and the MLK Exercise Garden.

### *Sustainable Beaches Program*

Water conservation measures in the form of high efficiency restroom fixture replacements, drought tolerant landscaping, and more efficient irrigation/controls. Alternative fuel vehicle replacements are ongoing, and nearing a total of 25% of DBH fleet. Installation of additional bike racks, LED lighting, and EV charging stations are also underway.

### *County Existing Building LEED Certifications*

To date the County has three existing facilities that have achieved LEED certification for Existing Buildings Operations and Maintenance (EBOM). The first was Placerita Canyon Nature Center (DPR), followed by ISD and DPW Headquarters. Based on the experience of certification of their HQ, ISD has developed a Process Framework, Best Practices templates, and a Lessons Learned compendium to assist future efforts at certification of existing buildings.

### *Electric Vehicle Infrastructure*

On March 5, 2013, ISD executed a Memorandum of Agreement with the South Coast Air Quality Management District (AQMD) to receive grant funding of \$120,000, and a Grant Agreement with Mobile Source Air Pollution Reduction Review Committee to accept grant funding of \$192,333, to partially fund the purchase and installation of electric vehicle charging devices at various County facilities. On November 20, 2013, ISD awarded master agreements for the required equipment based on a competitive solicitation process. As required by the AQMD grant, the equipment will be configured to collect data on each Electric Vehicle Supply Equipment charge with revenue grade meters for accuracy of data. ISD is now working with departments to schedule equipment installations during 2014.

### *DPW Sustainable Pavement Program*

Public Works has developed a more sustainable and cost effective program for rehabilitation, construction, and maintenance of its road network. This approach focuses on addressing roads that are in good condition first (where full sub-grade replacement isn't required), incorporating materials from recycled tires and aggregates from existing pavement and modifying the existing materials in-place by also adding cement to the sub-grade beneath the pavement to improve its strength. Since 2009 Public Works has completed 24 projects utilizing sustainable treatments. These projects have resulted in very significant reductions in energy usage, greenhouse gas emissions, and cost.

## **ENERGY AND CLIMATE**

### *County Energy Investment Program*

The Energy Investment Program (EIP) was approved by the Board of Supervisors in 2012. The EIP is a “Revolving Loan Fund” program which uses ARRA seed funding to implement efficiency projects. Department buildings which benefit from the projects repay the EIP fund through their utility savings until the project costs are paid back.

### *DPH “Video Direct Observed Therapy”*

This is a pilot program under development to reduce vehicle trips by staff. Currently, PH staff travel to various locations to directly observe that TB clients ingest their daily dosage of medicine. The pilot would allow the TB client to be observed via video (cell phone, Skype, etc.) by PH staff housed at a PH facility. This would reduce vehicular travel and staff time involved in ensuring the client takes their full course of daily medication.

### *Southern California Regional Energy Network (SoCalREN)*

The Southern California Regional Energy Network (SoCalREN) is a local government regional energy network (REN) pilot project serving public agencies and their constituents in the Southern California Edison (SCE) and Southern California Gas Company (SCG) service territories. Los Angeles County, will act as fiscal agent and contractor, and will lead a governance committee of representatives from the cities and counties served by the SoCalREN (including cities, counties and other selected public agencies in the SCE/SCG service territories). SoCalREN will reach nearly half of the cities in California within all or portions of the following counties: Los Angeles, Orange, Ventura, Santa Barbara, Riverside, San Bernardino, Kern, Tulare, Inyo, Mono (and very small portions of King and Fresno).

### *TTC North County Tax Payment Processing*

For two days each December and two days each April, taxpayers can pay their property tax bills in person in the City of Lancaster. This decreases emissions and air pollution by reducing the number of taxpayers driving downtown to make these payments.